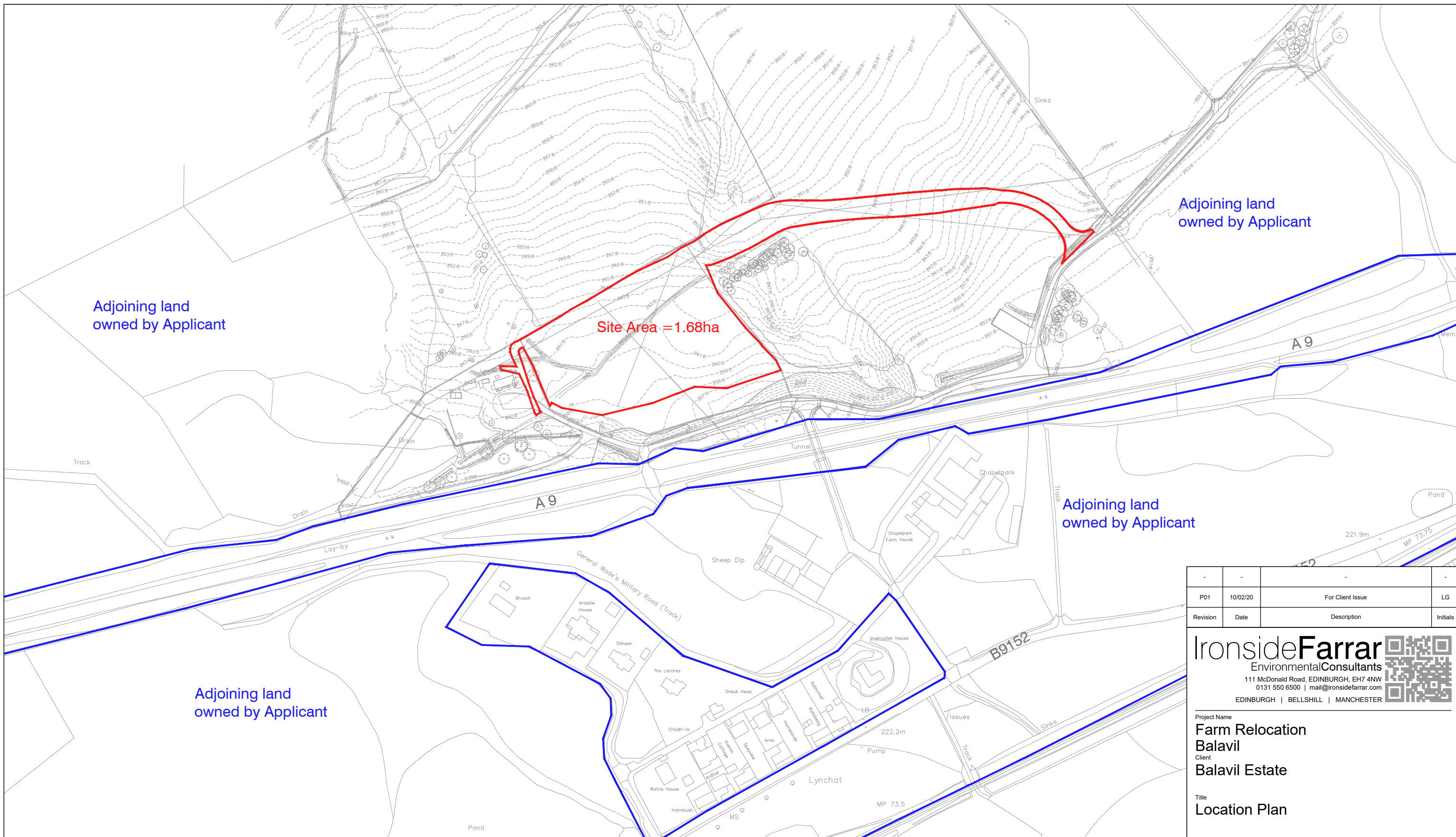


# **AGENDA ITEM 5**

## **APPENDIX 1a**

**2020/0077/MSC**

**PLANS**



Adjoining land owned by Applicant

Adjoining land owned by Applicant

Site Area = 1.68ha

Adjoining land owned by Applicant


Adjoining land owned by Applicant

Revision	Date	Description	Initials
P01	10/02/20	For Client Issue	LG

**IronsideFarrar**  
 Environmental Consultants  
 111 McDonald Road, EDINBURGH, EH7 4NW  
 0131 550 6500 | mail@ironsidefarrar.com  
 EDINBURGH | BELLSHILL | MANCHESTER






Project Name  
**Farm Relocation**  
**Balavil**  
 Client  
**Balavil Estate**  
 Title  
**Location Plan**

N. Point  Scale 1:2500  
 Bar Scale 0 0.5 1km  
 1:2500

Date 10.02.20 Paper Size A3 Quality Assurance ISO 9001:2015  
 Drawn By LG Checked by HR SGS UKAS Certificate GB02/54539  
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Status  
**FOR APPROVAL**  
 Project No 50499-101 Drawing No Revision P01

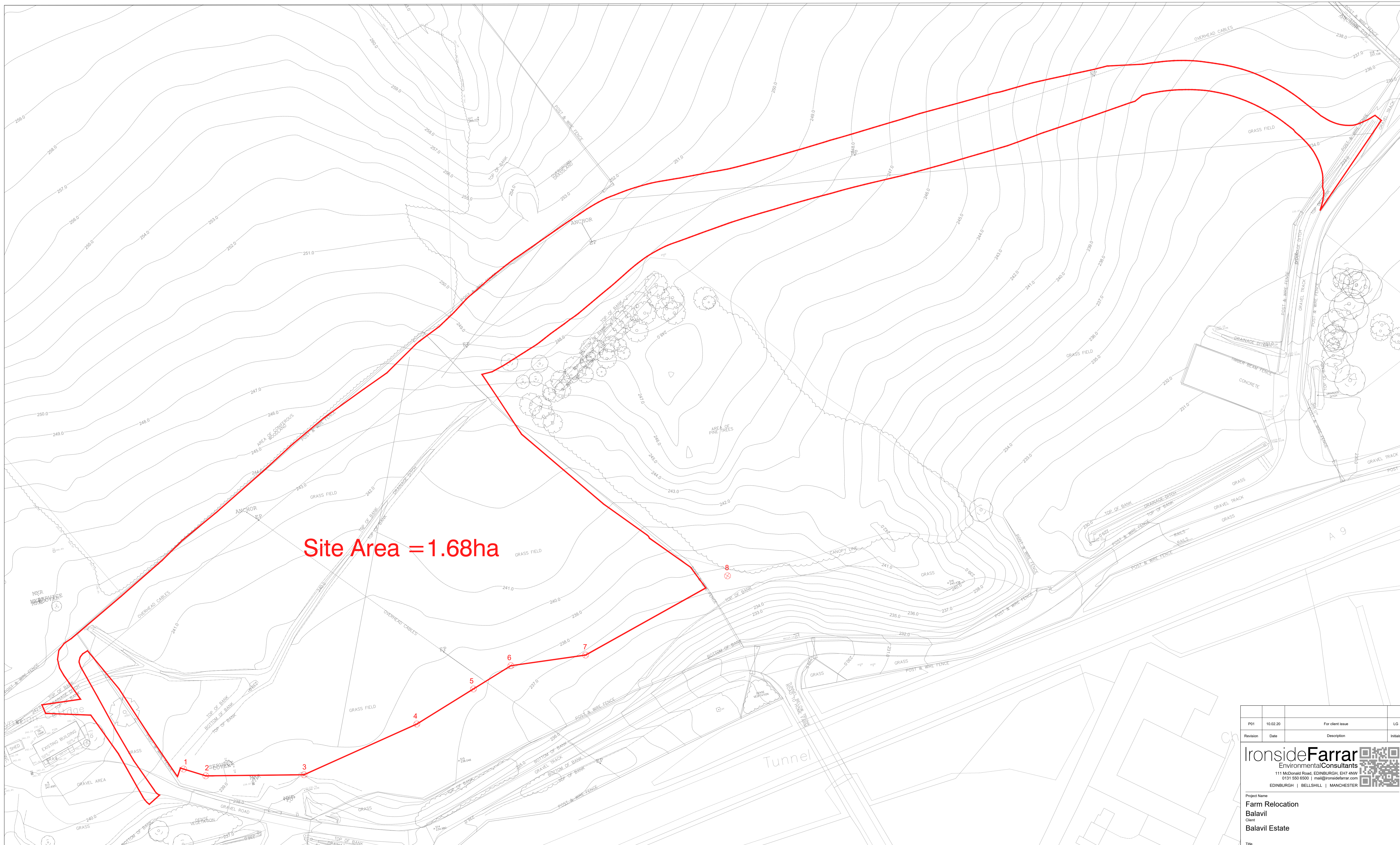
- Key**
-  Site Boundary
  -  Adjoining Land Owned by Applicant
  -  Topographical Survey (see note 2)

**Address:**  
 A9, Lynchat, Kingussie,  
 Highland, Scotland  
 PH21 1LT  
 Easting: 278198 Northing: 802047

- Notes:**
1. Site area: 1.68 ha
  2. Topographical Survey by Granite City Surveys Ltd. - August 2018.

Note: Please do not scale from this drawing





Site Area = 1.68ha

**KEY**

	Site Boundary
	Topographical Survey Contours (see note 1)
	A9 CPO Boundary (Issued by Fairhurst)

**Address:**  
 A9, Lynchat, Kingussie,  
 Highland, Scotland  
 PH21 1LT  
 Easting: 278198 Northing: 802047

**Notes**  
 1. Topographical Survey by Granite City Surveys Ltd. - August 2018.

**Table 1. CPO Boundary Coordinates**

Point	X	Y
1	278142.943	802000.696
2	278148.891	801997.543
3	278176.879	801992.511
4	278211.738	802000.777
5	278229.748	802007.675
6	278241.668	802012.241
7	278263.502	802011.195
8	278308.194	802025.991

Revision	Date	Description	Initials
P01	10.02.20	For client issue	LG

**IronsideFarrar**  
 Environmental Consultants  
 111 McDonald Road, EDINBURGH, EH7 4NW  
 0131 550 6500 | mail@ironsidefarrar.com  
 EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
 Client  
 Balavil Estate

Title  
**Site Plan**

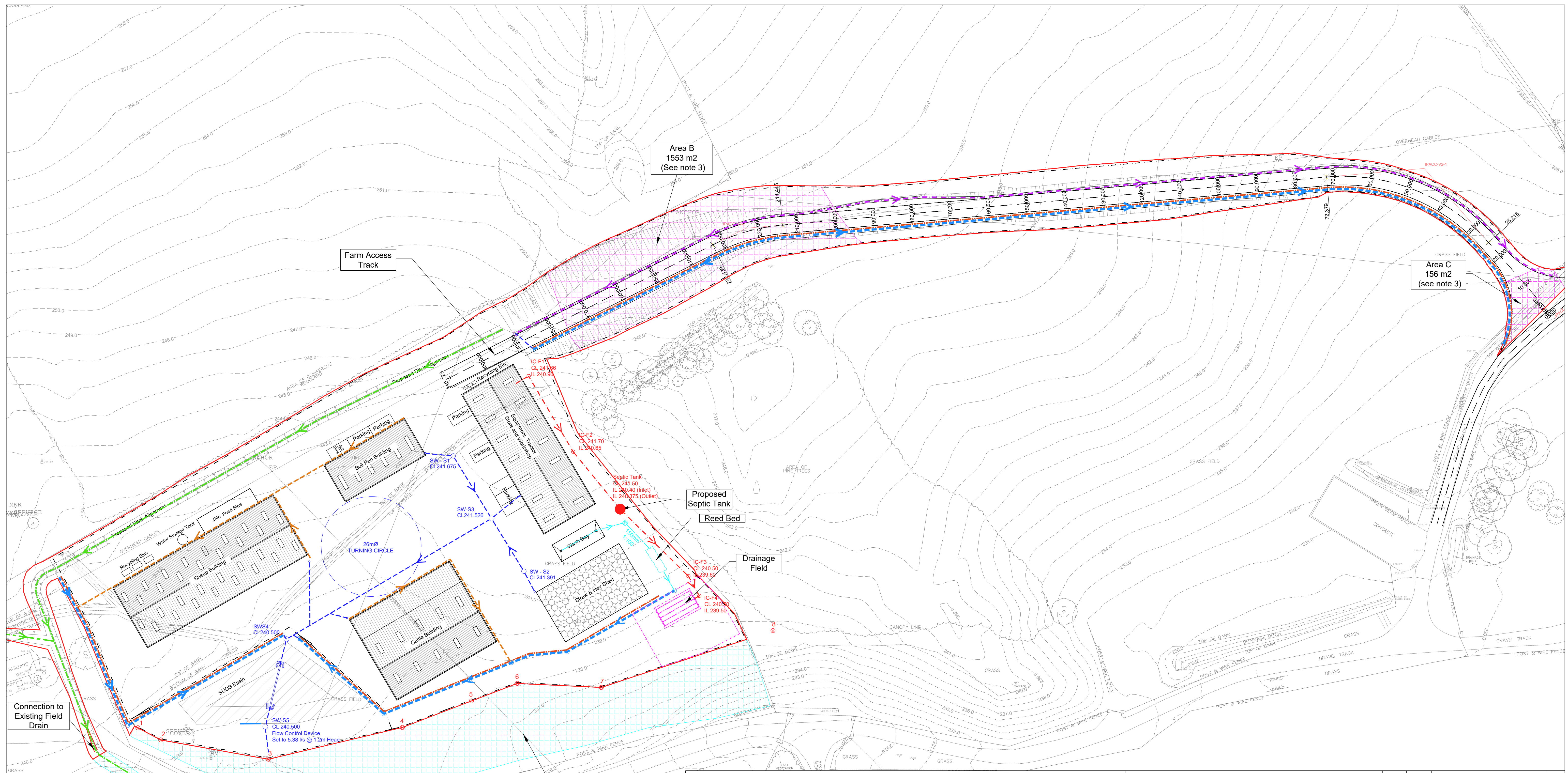
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Date: 10.02.20  
 Paper Size: A1  
 Checked by: HR  
 Status: FOR APPROVAL

Project No: 50499-102  
 Drawing No:  
 Revision: P01

Note: Please do not scale from this drawing





Note: Please do not scale from this drawing

**KEY**

	Site Boundary		Proposed Surface Water Sewer
	Topographical Survey Contours		Proposed Foul Water Sewer
	Proposed Stockproof Post & Wire Fencing		Proposed Septic Tank
	Proposed Gate		Proposed Mound Filter System Pipe
	Overlap area as part of the A9 Dualling Scheme (see note 2)		Proposed Filter Strip
	CPO overlap area kept-free from development		Proposed Filter Drain
	CPO Boundary (Issued by Fairhurst)		Proposed Filter Trench
			ACO Channel
			Proposed Ditch
			Proposed Reed Bed System

**Table 1. CPO Boundary Coordinates**

Point	X	Y
1	278142.943	802000.696
2	278148.891	801997.543
3	278176.879	801992.511
4	278211.738	802000.777
5	278229.748	802007.675
6	278241.668	802012.241
7	278263.502	802011.195
8	278308.194	802025.991

- Notes**
- Farm layout outside of the A9 CPO based on Transport Scotland's coordinates (see table 1)
  - Overlap areas at the access track agreed by Transport Scotland as per 190822R0067AB-CNPA Farm planning meeting Note Doc, dated 22.08.19
  - Overlap Areas in accordance with plan "DMRB Stage 3 Balavil Access Plan", Document TS018 as docketed to planning permission in principle.
  - For external appearance of buildings refer to Algo drawings (elevations and cross sections) E18-062/PL\_01 to PL\_06.

PO3	12.05.20	Mound Filter updated, Foul Water Sewer updated and Reed Bed Added	LG
PO2	28.01.20	Site Layout Updated as Per ABC Planning + Design Comments	LG
PO1	23.01.20	For client issue	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants

111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

Title  
**Proposed Site Layout**  
PPP Condition 1

N Point  
Scale  
1:500  
Bar Scale  
0 12.5 25m

Date  
23.01.20  
Paper Size  
A1  
Quality Assurance  
ISO 9001:2015  
SCS UKAS Certificate CB0254539  
Checked by  
HR  
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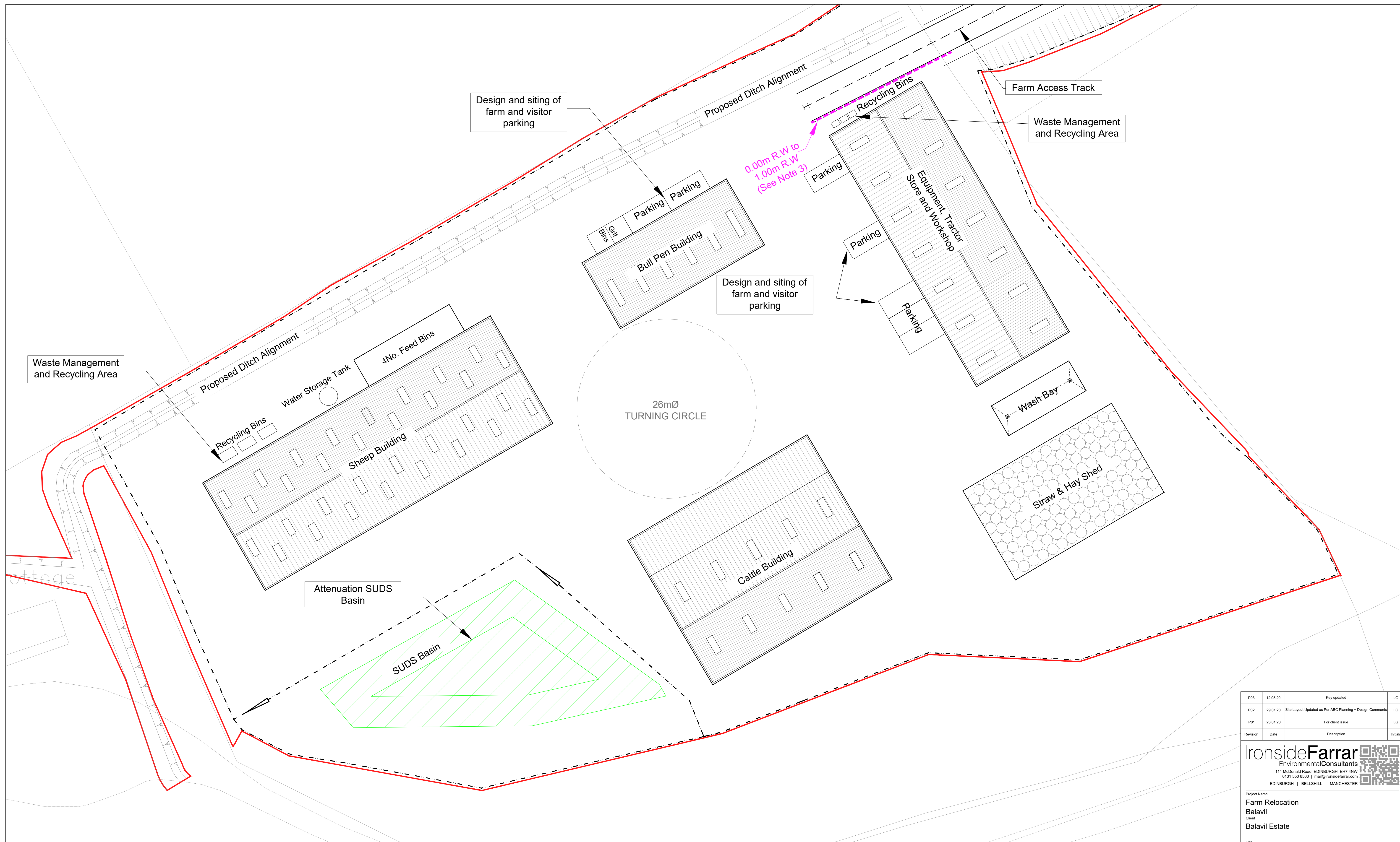
Status  
**FOR APPROVAL**

Project No  
**50499-103**

Drawing No  
**0**

Revision  
**P03**





Waste Management and Recycling Area

Design and siting of farm and visitor parking

Design and siting of farm and visitor parking

Farm Access Track

Waste Management and Recycling Area

Proposed Ditch Alignment

Proposed Ditch Alignment

0.00m R.W. to 1.00m R.W. (See Note 3)

26mØ TURNING CIRCLE

Recycling Bins  
Water Storage Tank  
4No. Feed Bins  
Sheep Building

Bin  
Grit  
Parking  
Bull Pen Building

Recycling Bins  
Parking  
Equipment, Tractor Store and Workshop  
Parking

Wash Bay

Straw & Hay Shed

Cattle Building

Attenuation SUDS Basin

SUDS Basin

Note: Please do not scale from this drawing

**KEY**

	Site Boundary
	Proposed Stockproof Post & Wire Fencing
	Proposed Gate
	Proposed Retaining Wall

- Notes:**
1. For external appearance of buildings (elevations and cross sections) refer to Algo drawings E18-062/PL\_01 to PL\_06.
  2. Retaining structure at access track to be a reinforced concrete retaining wall.

P03	12.05.20	Key updated	LG
P02	28.01.20	Site Layout Updated as Per ABC Planning + Design Comments	LG
P01	23.01.20	For client issue	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants  
111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

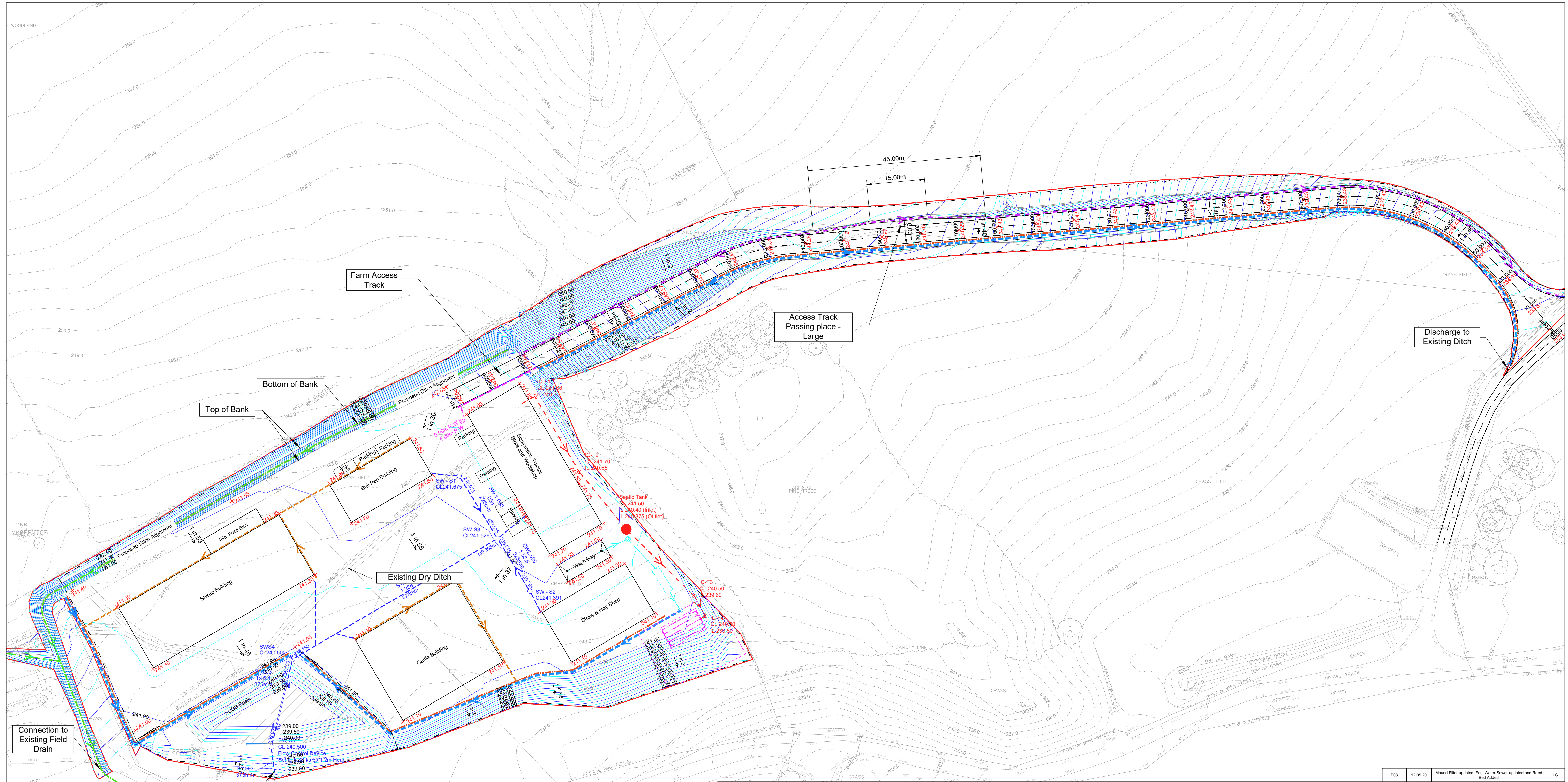
Title  
**Proposed Site Layout**  
PPP Conditions 2-A and 2-R

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Date: 23.01.20  
Paper Size: A1  
Quality Assurance: ISO 9001:2015  
SCS UKAS Certificate: CB0254539  
Checked by: HR  
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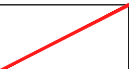
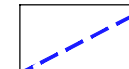
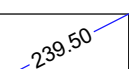
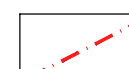
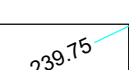

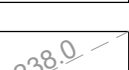
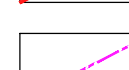

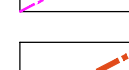
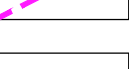



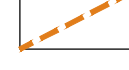
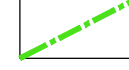
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Drawing No: [blank]  
Revision: P03





Note: Please do not scale from this drawing

**KEY**

	Site Boundary		Proposed Surface Water Sewer
	0.50m Proposed Finished Contour		Proposed Foul Water Sewer
	0.25m Proposed Finished Contour		Proposed Septic Tank
	Topographical Survey Contours		Proposed Mound Filter System Pipe
	Proposed Retaining Wall		Proposed Filter Strip
	Proposed Level		Proposed Filter Drain
			Proposed Filter Trench
			ACO Channel
			Proposed Ditch
			Proposed Reed Bed System

- Notes**
- All Contours and levels are Ordnance Datum based.
  - The proposed earthworks contours are based on the Granite City Surveys Ltd. dated August - 2018
  - Local Hydrology (existing field ditches) indicated on plan. existing drainage ditch across platform area to be removed and replaced with proposed drainage system.
  - For proposed drainage system refer to drawings 50499-401 to 50499-403

P03	12.05.20	Mound Filter updated, Foul Water Sewer updated and Reed Bed Added	LG
P02	28.01.20	Contours and Levels Updated to Suit Latest Site Layout	LG
P01	23.01.20	For client issue	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants

111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

Title  
**Contour Base Plan**  
PPP Condition 2-B and 2-C

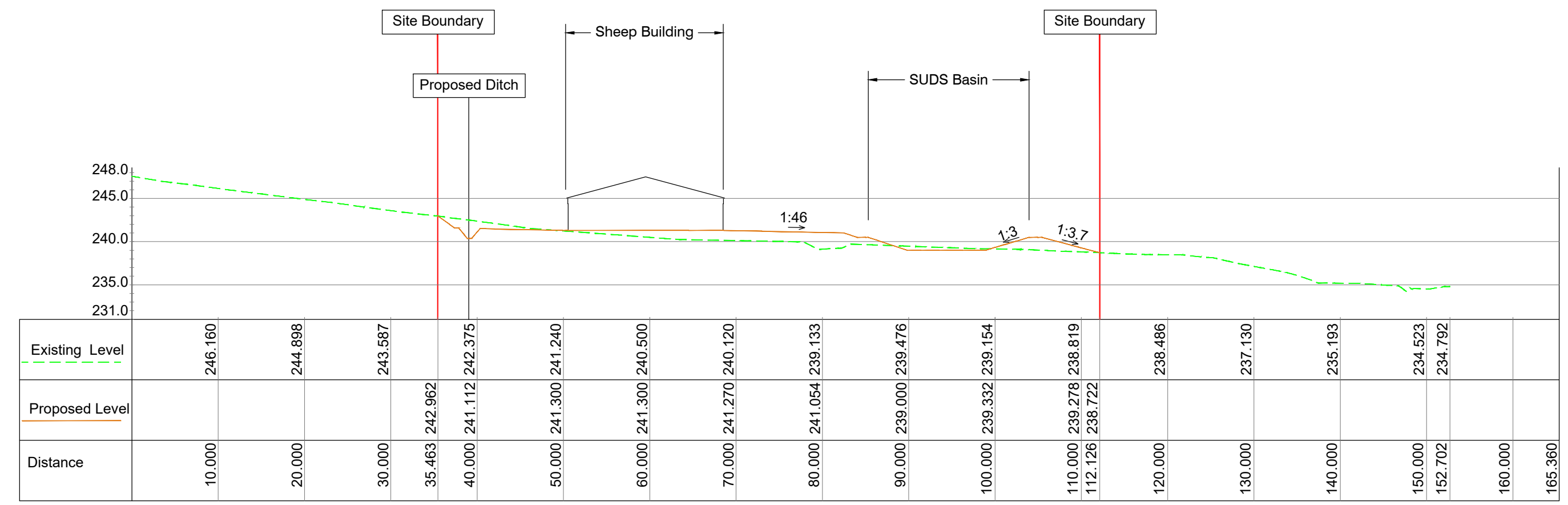
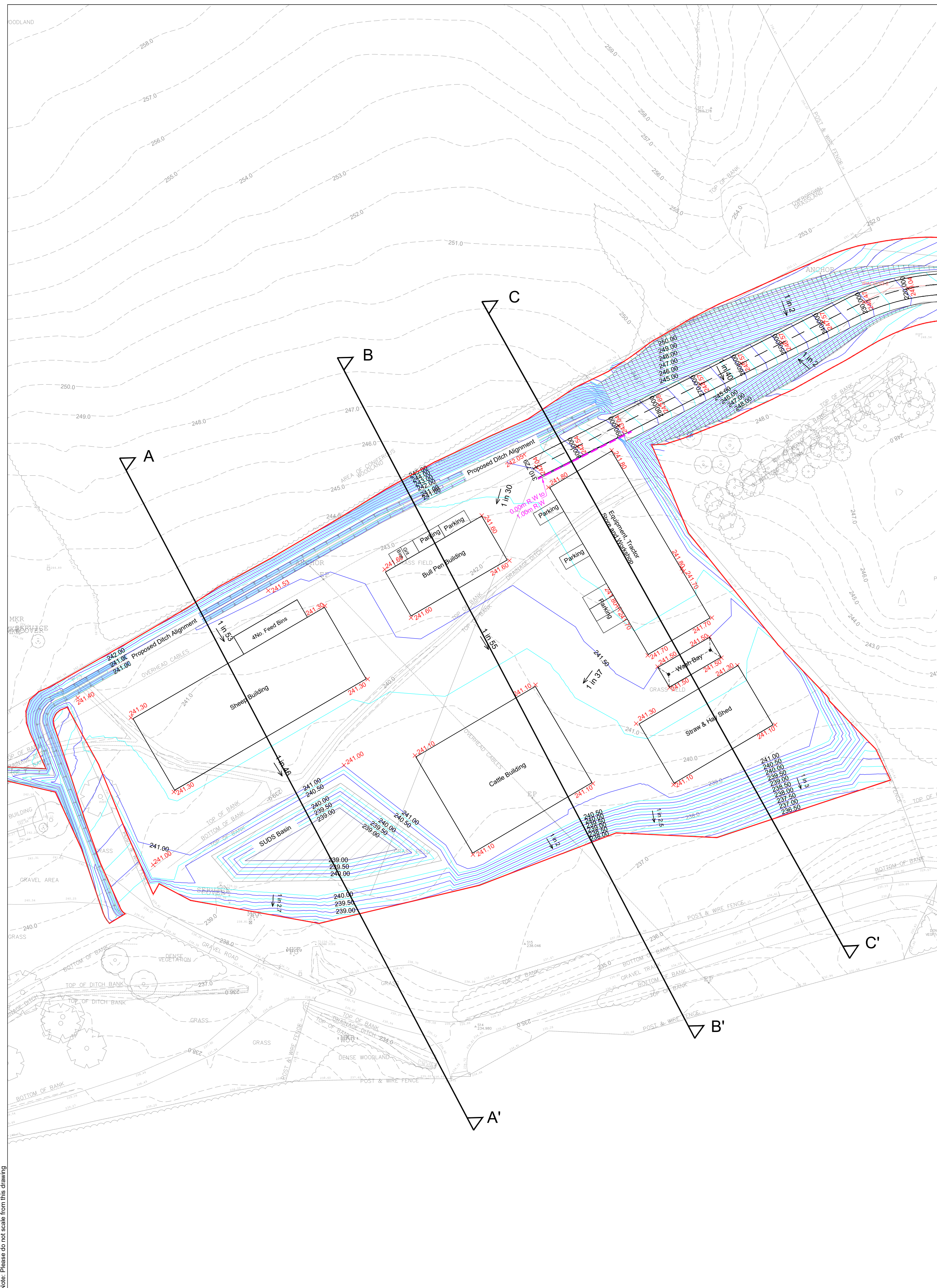
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Scale  
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Date  
**23.01.20**  
A1  
Paper Size  
ISO 9001:2015  
SCS UKAS Certificate CB0254539  
Checked by  
**HR**  
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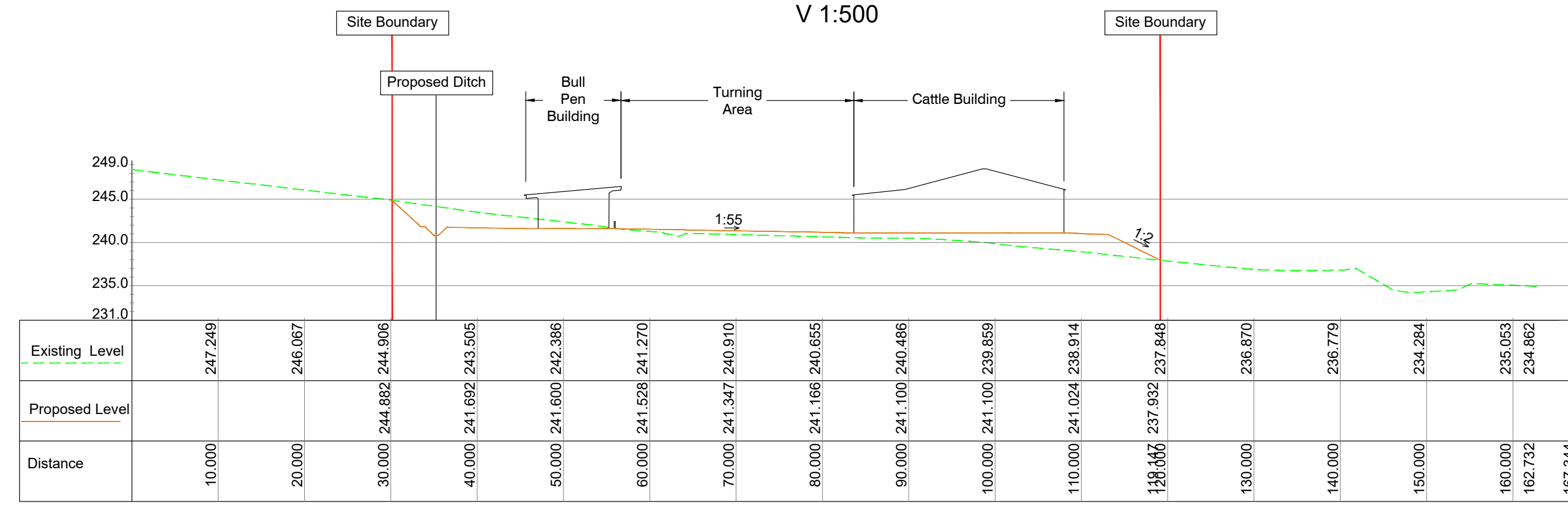
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Project No  
**50499-310**  
Drawing No  
**P03**  
Revision

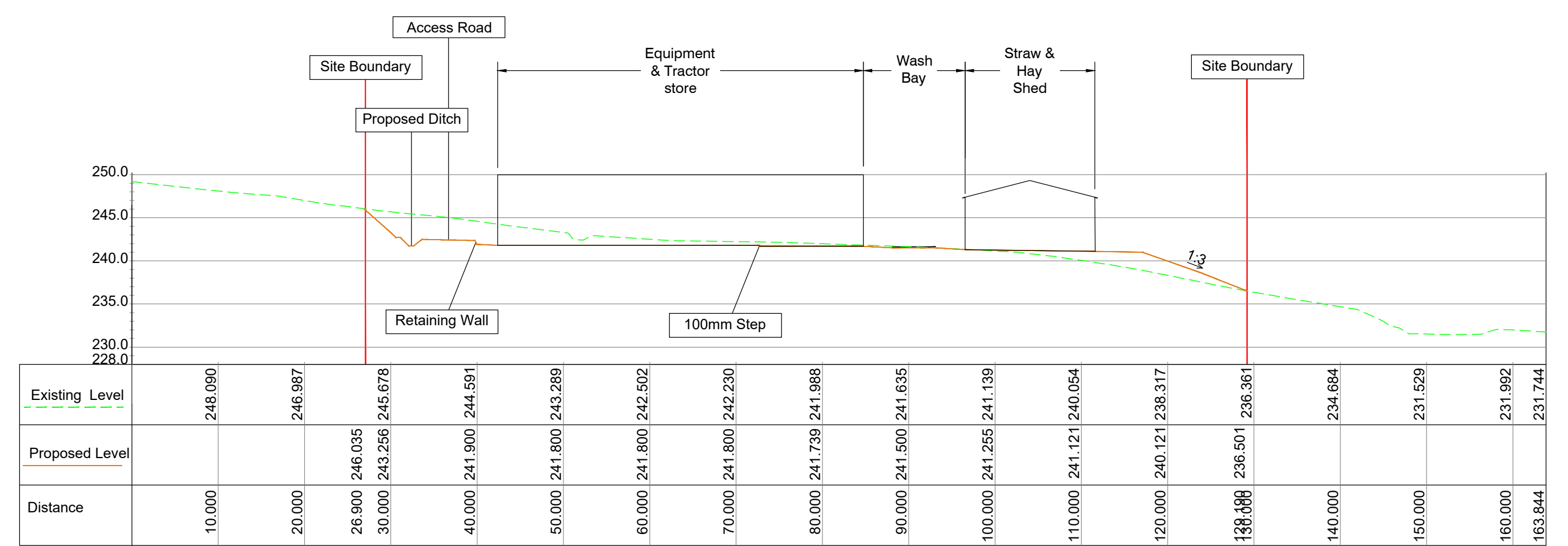




Section A-A'  
Scale H1:500  
V 1:500



Section B-B'  
Scale H1:500  
V 1:500



Section C-C'  
Scale H1:500  
V 1:500

**KEY**

- Site Boundary
- 0.50m Proposed Finished Contour
- 0.25m Proposed Finished Contour
- Topographical Survey Contours
- Proposed Retaining Wall
- Proposed Level

- Notes**
- For external appearance of buildings (elevations and cross sections) refer to Algo drawings E18-062/PL\_01 to PL\_06.
  - All contours and levels are Ordnance Datum based.
  - The proposed earthworks contours are based on the Granite City Surveys Ltd. dated August - 2018.

P03	12.05.20	Contours Updated to Suit Latest Drainage Layout	LG
P02	29.01.20	Levels and Cross Sections Updated to Suit Latest Site Layout	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants  
111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

Title  
**Cross Sections North/South**  
PPP Condition 2-D

N Point  
Scale  
**1:500**  
Bar Scale  
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Date  
**23.01.20**  
Paper Size  
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Quality Assurance  
ISO 9001:2015  
SCS UKAS Certificate CB0254539

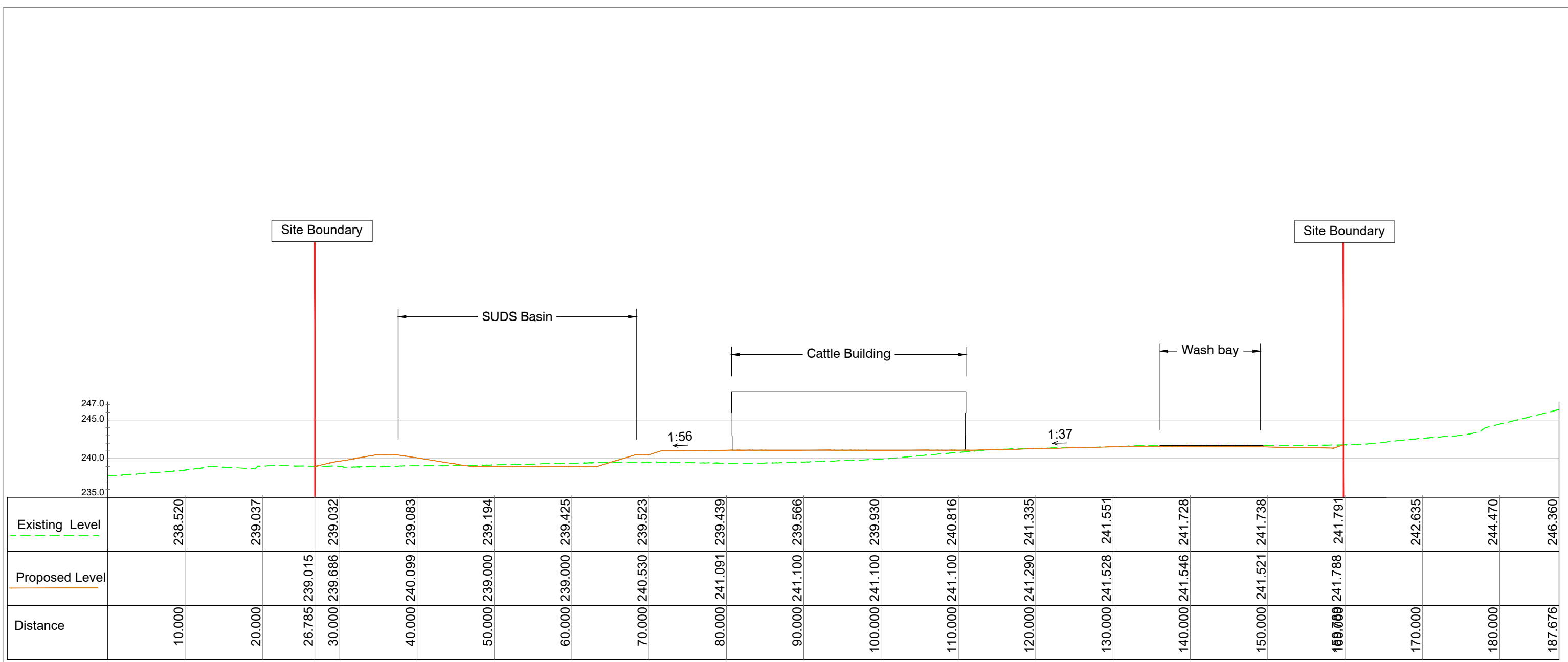
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**LG**  
Checked by  
**HR**  
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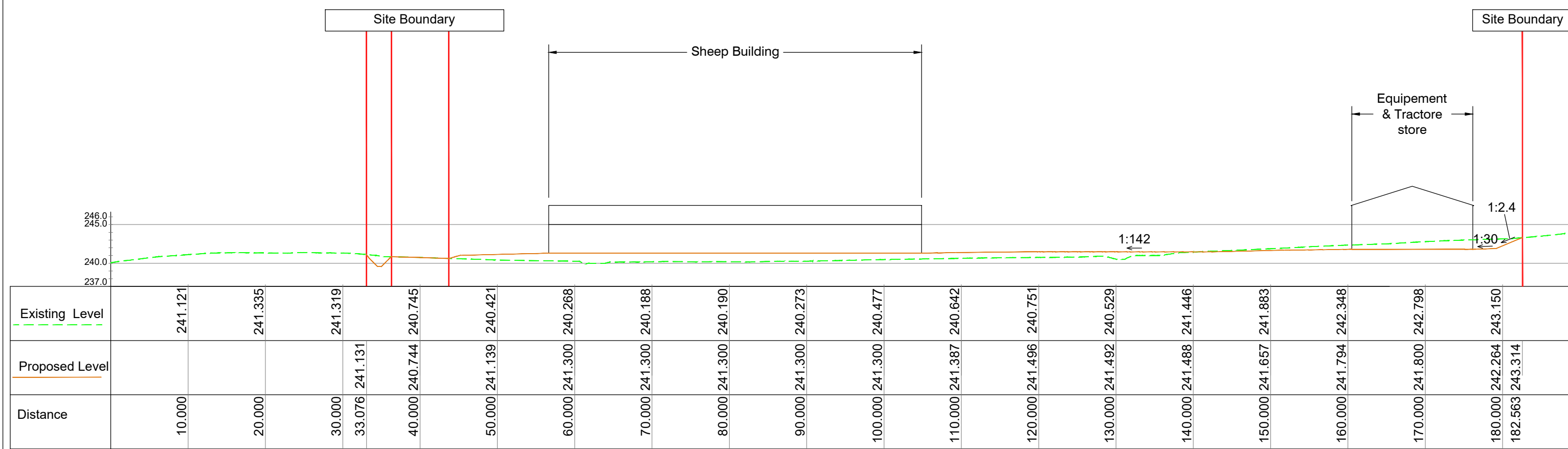
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Drawing No  
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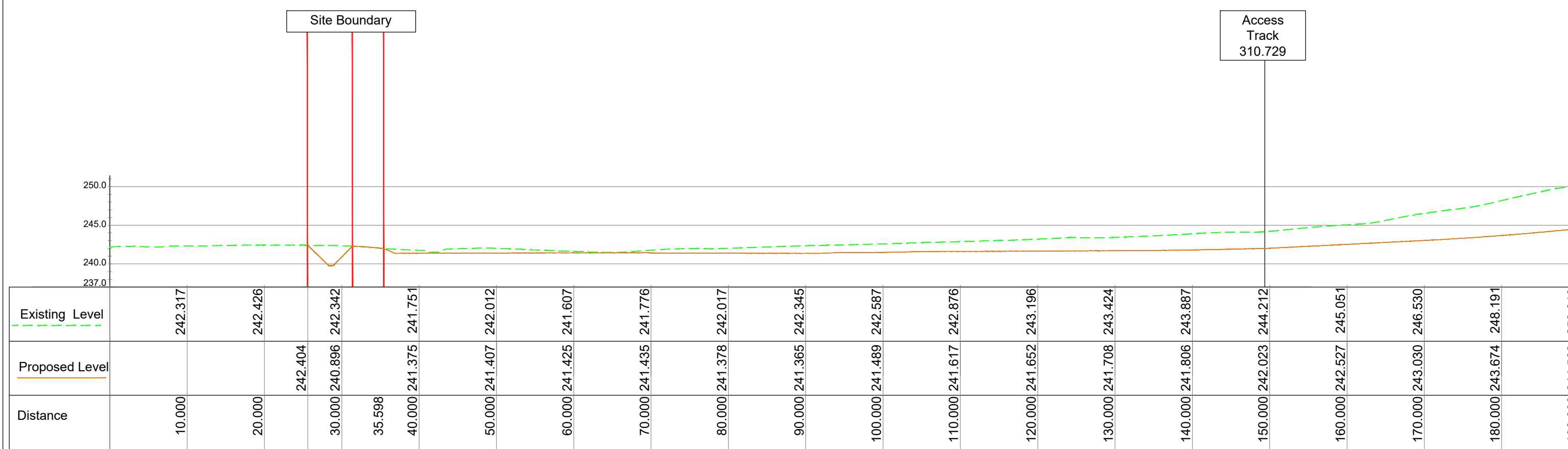




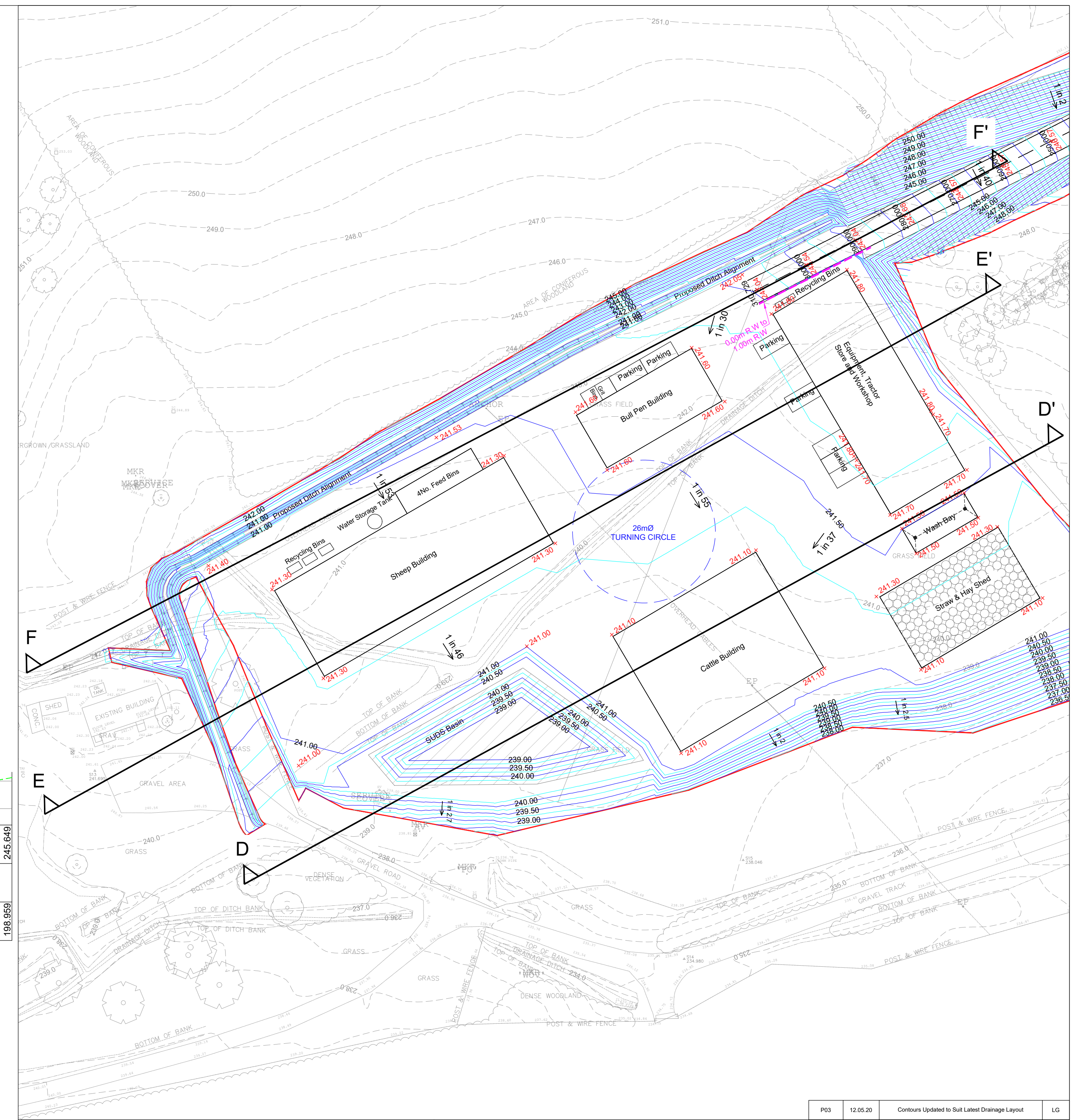
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Section E-E'  
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Section F-F'  
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V 1:500



**KEY**

- Site Boundary
- 0.50m Proposed Finished Contour
- 0.25m Proposed Finished Contour
- Topographical Survey Contours
- Proposed Retaining Wall
- Proposed Level

**Notes**

- For external appearance of buildings (elevations and cross sections) refer to Algo drawings E18-062/PL\_01 to PL\_06.
- All contours and levels are Ordnance Datum based.
- The proposed earthworks contours are based on the Granite City Surveys Ltd. dated August - 2018.

Revision	Date	Description	Initials
P03	12.05.20	Contours Updated to Suit Latest Drainage Layout	LG
P02	28.01.20	Levels and Cross Sections Updated to Suit Latest Site Layout	LG
P01	23.01.20	For client issue	LG

**IronsideFarrar**  
Environmental Consultants

111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Balavil Estate

Title  
**Cross Sections East/West**  
PPP Condition 2-D

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Bar Scale  
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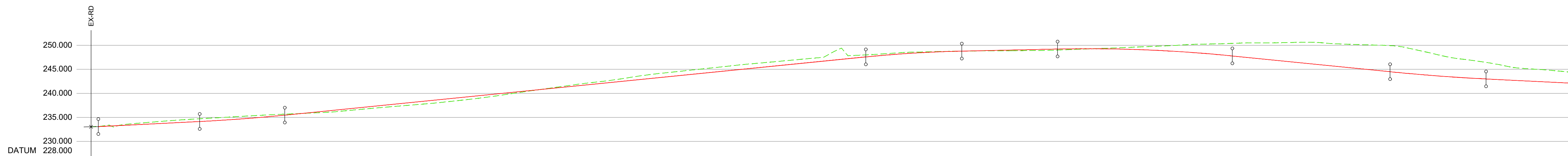
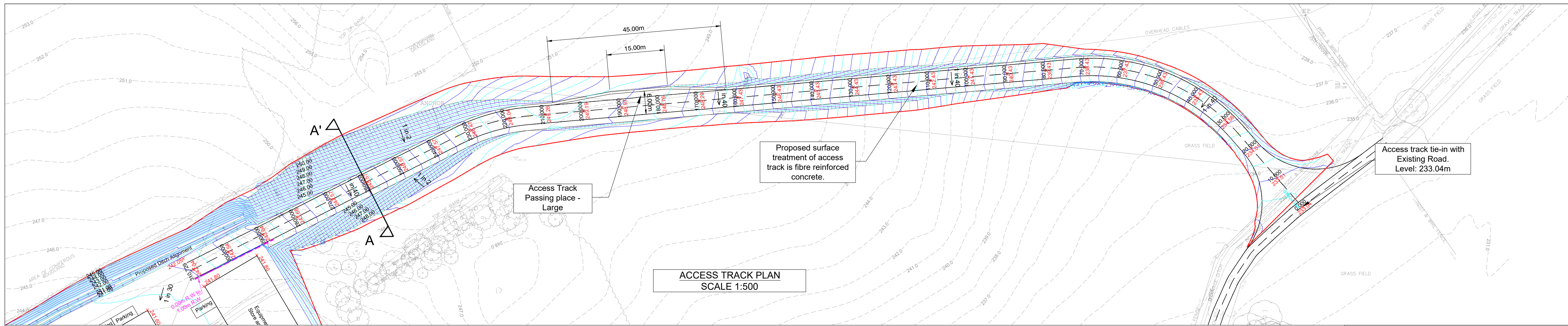
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Status  
**FOR APPROVAL**

Project No  
**50499-312**  
Drawing No  
**P03**  
Revision

Note: Please do not scale from this drawing





CHAINAGE	EXISTING GROUND LEVEL	ALIGNMENT LEVEL	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT
0.000	233.041	233.081	G= 5.000% 1: 20.0	R= 50.000
10.000	233.795	235.595		
20.000	234.560	234.005	KF= 3.54780 L= 17.739	R= 50.000
30.000	235.143	234.263		
40.000	235.684	234.971	G= 10.000% 1: 10.0	R= 50.000
50.000	236.109	236.430		
60.000	237.014	237.430	L= 20.000 KF= -2.54583	R= 50.000
70.000	237.844	238.430		
80.000	238.690	239.430	G= 2.144% 1: 46.6	R= 50.000
90.000	240.291	240.430		
100.000	241.691	241.430	L= 36.432 KF= -3.0	R= 50.000
110.000	242.949	242.430		
120.000	244.302	243.430	G= -10.000% 1: -10.0	R= 50.000
130.000	245.365	244.430		
140.000	246.362	245.430	KF= 4.0 L= 20.000	R= 50.000
150.000	247.275	246.430		
160.000	247.896	247.430	G= -5.000% 1: -20.0	R= 50.000
170.000	248.531	248.287		
180.000	248.763	248.571	HP	R= 50.000
190.000	248.870	248.756		
200.000	248.971	248.729	G= -5.000% 1: -20.0	R= 50.000
210.000	249.000	248.729		
220.000	249.042	248.729	G= -5.000% 1: -20.0	R= 50.000
230.000	249.042	248.729		
240.000	249.042	248.729	G= -5.000% 1: -20.0	R= 50.000
250.000	249.042	248.729		
260.000	249.042	248.729	G= -5.000% 1: -20.0	R= 50.000
270.000	249.042	248.729		
280.000	249.042	248.729	G= -5.000% 1: -20.0	R= 50.000
290.000	249.042	248.729		
300.000	249.042	248.729	G= -5.000% 1: -20.0	R= 50.000
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ACCESS TRACK LONGITUDINAL SECTION  
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V 1:500

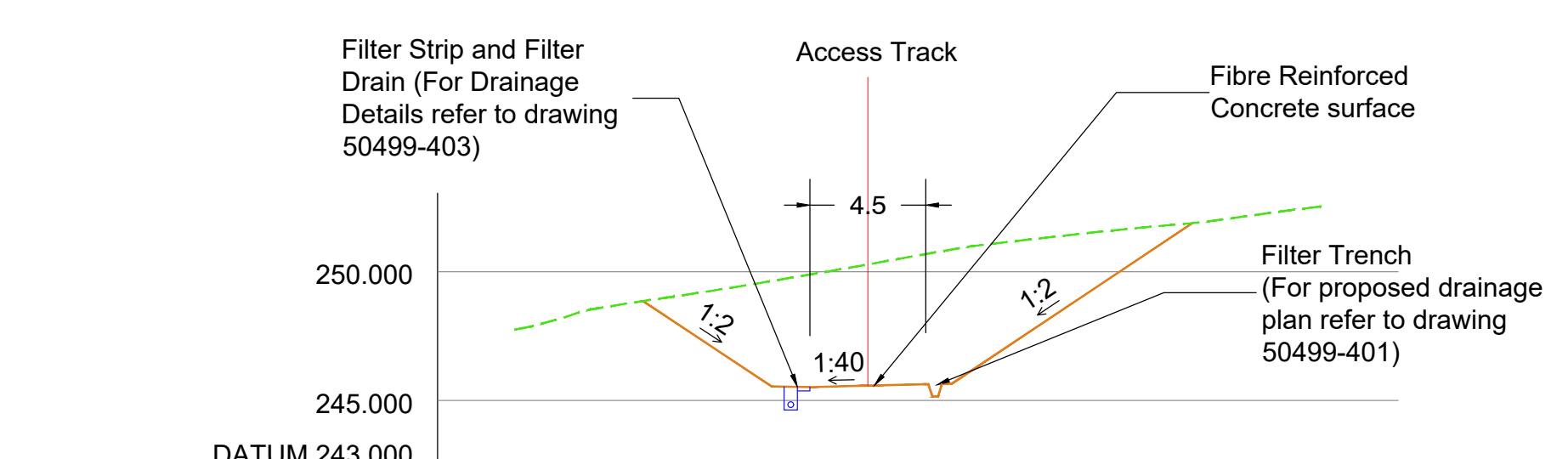
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CPACC-2	20.000	278497.748	802123.121					
TPACC-1a	25.216	278494.326	802127.057		319.00207			
IPACC-1	27.847	278477.597	802146.304	50.000		54.04451	47.163	25.501
CPACC-3	30.000	278491.020	802130.513					
CPACC-4	40.000	278483.131	802136.630					
CPACC-5	50.000	278474.183	802141.058					
CPACC-6	60.000	278464.534	802143.621					
CPACC-7	70.000	278454.569	802144.215					
TPACC-1b	72.379	278452.195	802144.062		264.95756			
CPACC-8	80.000	278444.603	802143.392					
CPACC-9	90.000	278434.642	802142.514					
CPACC-10	100.000	278424.681	802141.635					
CPACC-11	110.000	278414.719	802140.756					
CPACC-12	120.000	278404.758	802139.877					
CPACC-13	130.000	278394.797	802138.998					
CPACC-14	140.000	278384.836	802138.119					
CPACC-15	150.000	278374.874	802137.240					
CPACC-16	160.000	278364.913	802136.361					
CPACC-17	170.000	278354.952	802135.482					
CPACC-18	180.000	278344.990	802134.603					
CPACC-19	190.000	278335.029	802133.724					
CPACC-20	200.000	278325.068	802132.845					
CPACC-21	210.000	278315.106	802131.966					
TPACC-2a	214.445	278310.679	802131.576		264.95756			
IPACC-2	217.850	278301.103	802130.731	50.000		21.76555	18.994	9.613
CPACC-22	220.000	278305.184	802130.781					
CPACC-23	230.000	278295.644	802127.840					
TPACC-2b	233.439	278292.523	802126.395		243.19201			
CPACC-24	240.000	278286.667	802123.436					
CPACC-25	250.000	278277.742	802118.926					
CPACC-26	260.000	278268.817	802114.416					
CPACC-27	270.000	278259.892	802109.906					
CPACC-28	280.000	278250.967	802105.396					
CPACC-29	290.000	278242.041	802100.886					
CPACC-30	300.000	278233.116	802096.376					
CPACC-31	310.000	278224.191	802091.866					
EPACC-1	310.729	278223.541	802091.537		243.19201			

ACCESS TRACK SETTING OUT

**KEY**

- Site Boundary
- Topographical Survey Contours
- 0.50m Proposed Finished Contour
- 0.25m Proposed Finished Contour
- Proposed Retaining Wall
- Proposed Level

- Notes**
- The proposed earthworks contours are based on the Granite City Surveys Ltd. dated August - 2018.
  - Fibre Reinforced concrete at the access track.
  - Access Track indicated at 4.5m width.
  - For Proposed Drainage Plan refer to drawing 50499-401.
  - For Drainage Details refer to drawing 50499-402.
  - All levels are Ordnance Datum based.
  - Retaining structure at access track to be a reinforced concrete retaining wall.



Existing Level	247.755	248.864	249.639	249.893	250.288	250.690	251.896	252.542
Proposed Level		248.864	245.542	245.517	245.573	245.629	245.646	251.896
Distance		8.739	3.755	2.255	0.000	2.250	2.255	12.631

CROSS SECTION A-A'  
CHAINAGE 260.000  
SCALE H 1:250  
V 1:250

P03	12.05.20	Key Updated	LG
P02	30.01.20	Drawing Updated to Suit Latest Site Layout: Access Track Passing Place Address	LG
P01	23.01.20	For client issue	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants  
111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

Title  
**Proposed Access Track**  
PPP Condition 2-E

Date  
23.01.20  
Scale  
1:500

Paper Size  
A1  
Checked by  
HR

Quality Assurance  
ISO 9001:2015  
SCS UKAS Certificate CB0254539  
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Status  
**FOR APPROVAL**

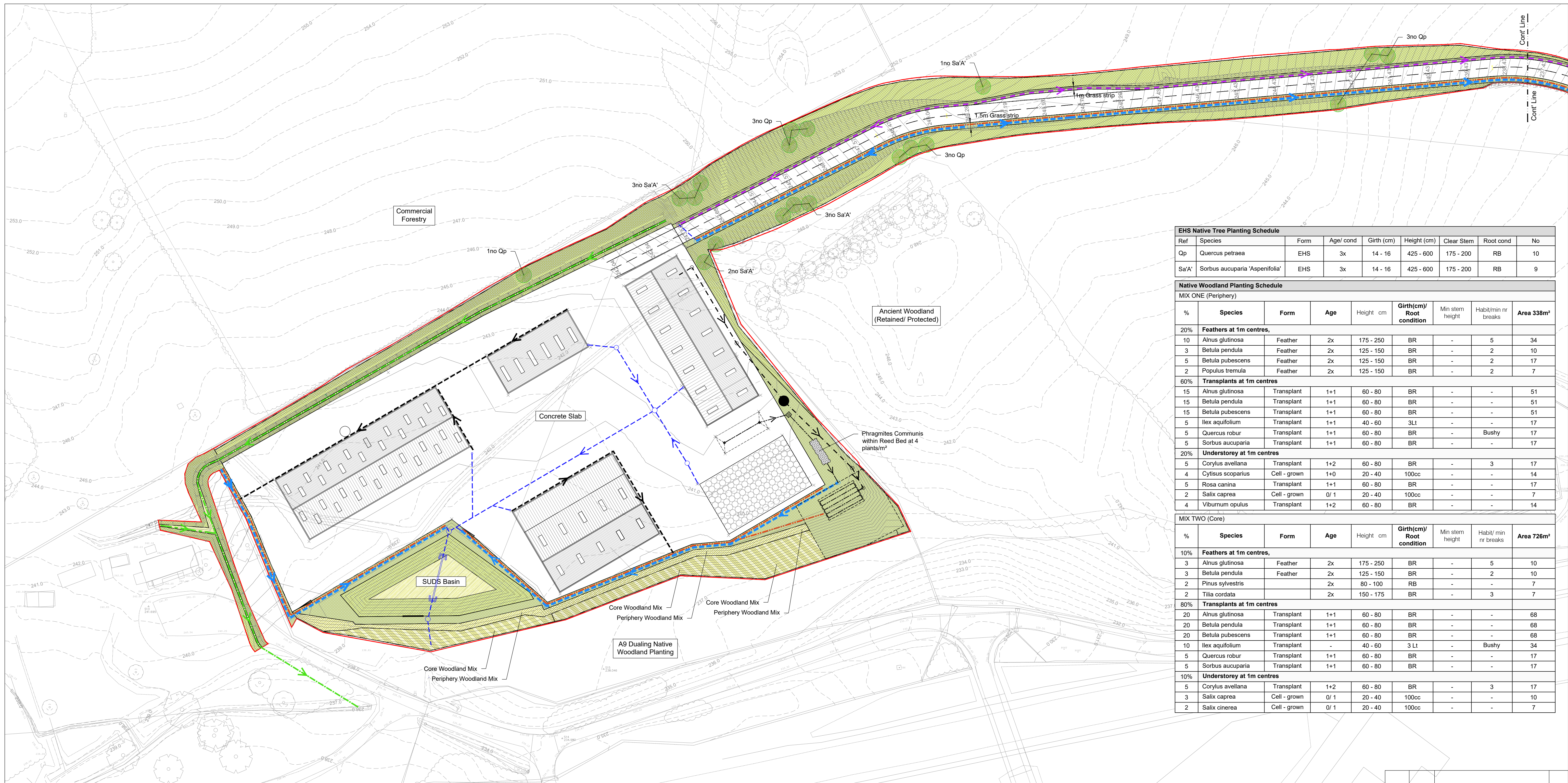
Project No  
**50499-501**

Drawing No  
**50499-501**

Revision  
**P03**

Note: Please do not scale from this drawing





EHS Native Tree Planting Schedule								
Ref	Species	Form	Age/cond	Girth (cm)	Height (cm)	Clear Stem	Root cond	No
Qp	Quercus petraea	EHS	3x	14 - 16	425 - 600	175 - 200	RB	10
Sa'A	Sorbus aucuparia 'Aspenifolia'	EHS	3x	14 - 16	425 - 600	175 - 200	RB	9

Native Woodland Planting Schedule								
MIX ONE (Periphery)								
%	Species	Form	Age	Height cm	Girth(cm)/Root condition	Min stem height	Habit/min nr breaks	Area 338m <sup>2</sup>
<b>20% Feathers at 1m centres,</b>								
10	Alnus glutinosa	Feather	2x	175 - 250	BR	-	5	34
3	Betula pendula	Feather	2x	125 - 150	BR	-	2	10
5	Betula pubescens	Feather	2x	125 - 150	BR	-	2	17
2	Populus tremula	Feather	2x	125 - 150	BR	-	2	7
<b>60% Transplants at 1m centres</b>								
15	Alnus glutinosa	Transplant	1+1	60 - 80	BR	-	-	51
15	Betula pendula	Transplant	1+1	60 - 80	BR	-	-	51
15	Betula pubescens	Transplant	1+1	60 - 80	BR	-	-	51
5	Ilex aquifolium	Transplant	1+1	40 - 60	3Lt	-	-	17
5	Quercus robur	Transplant	1+1	60 - 80	BR	-	Bushy	17
5	Sorbus aucuparia	Transplant	1+1	60 - 80	BR	-	-	17
<b>20% Understorey at 1m centres</b>								
5	Corylus avellana	Transplant	1+2	60 - 80	BR	-	3	17
4	Cytisus scoparius	Cell - grown	1+0	20 - 40	100cc	-	-	14
5	Rosa canina	Transplant	1+1	60 - 80	BR	-	-	17
2	Salix caprea	Cell - grown	0/1	20 - 40	100cc	-	-	7
4	Viburnum opulus	Transplant	1+2	60 - 80	BR	-	-	14

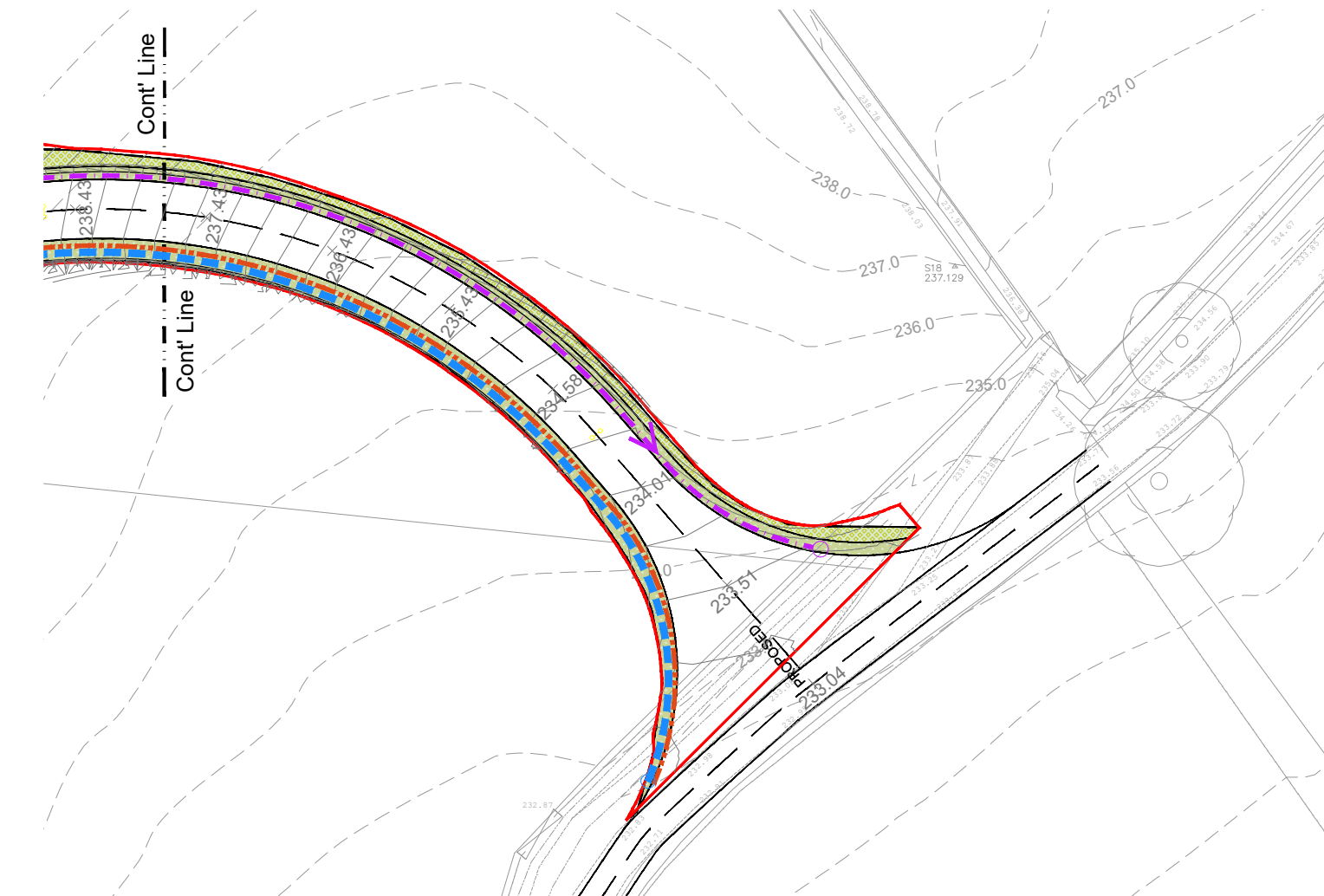
MIX TWO (Core)								
%	Species	Form	Age	Height cm	Girth(cm)/Root condition	Min stem height	Habit/ min nr breaks	Area 726m <sup>2</sup>
<b>10% Feathers at 1m centres,</b>								
3	Alnus glutinosa	Feather	2x	175 - 250	BR	-	5	10
3	Betula pendula	Feather	2x	125 - 150	BR	-	2	10
2	Pinus sylvestris	Feather	2x	80 - 100	RB	-	-	7
2	Tilia cordata	Feather	2x	150 - 175	BR	-	3	7
<b>80% Transplants at 1m centres</b>								
20	Alnus glutinosa	Transplant	1+1	60 - 80	BR	-	-	68
20	Betula pendula	Transplant	1+1	60 - 80	BR	-	-	68
20	Betula pubescens	Transplant	1+1	60 - 80	BR	-	-	68
10	Ilex aquifolium	Transplant	-	40 - 60	3 Lt	-	Bushy	34
5	Quercus robur	Transplant	1+1	60 - 80	BR	-	-	17
5	Sorbus aucuparia	Transplant	1+1	60 - 80	BR	-	-	17
<b>10% Understorey at 1m centres</b>								
5	Corylus avellana	Transplant	1+2	60 - 80	BR	-	3	17
3	Salix caprea	Cell - grown	0/1	20 - 40	100cc	-	-	10
2	Salix cinerea	Cell - grown	0/1	20 - 40	100cc	-	-	7

- Soft Landscape Proposals**
- Planning boundary
  - SUDS basin & ditch bottom planting  
Wet Meadow Mix by Scotia Seeds or approved equivalent @ 3g/ m<sup>2</sup>
  - SUDS basin & ditch sides & embankment planting  
Wildflower/grass Seeding, Scotia Seeds long grass mix @ 3g/ m<sup>2</sup>
  - Low maintenance amenity grass seeding, 50% Perennial ryegrass, 35% Slender creeping red fescue, 15% Chewings fescue @ 35g/ m<sup>2</sup>
  - Woodland Planting underplanted with a low light tolerant Woodland meadow seed mix by Scotia Seeds or approved equivalent @ 3g/ m<sup>2</sup>
  - EHS tree planting along Access track & boundaries with above ground stakes and irrigation pipe

**Note:**

- Refer to drainage drawings for trench types and details;
- All species to be of local provenance.

ESTABLISHMENT & LONG TERM MAINTENANCE FOR ALL PLANTING	MONTHS												YEAR
	J	F	M	A	M	J	J	A	S	O	N	J	
<b>PLANTING, GENERAL REQUIREMENTS</b>													
Leafing out inspection, plant material not leafed out shall be replaced during plant replacement operations;						√							1
100% of plant material to be present at handover													As required
90% weed free area to be maintained around planting including mulch cover during establishment period & for extent of contract duration;					√	2	√	2	√	2			9
Maintain mulch cover around trees & along hedge lines & over planting beds at 75mm				√									1
Water at frequency to ensure establishment and survival				√	√	√	√	√	√	√			As required
Firm plants & keep vertical as required				√									2
Clear tree stations, hedgerows & beds of litter				√	√	√	√	√	√	√			6
Check all plants for signs of pest, disease or nutrient deficiency & seek expert advice as required				√	√	√	√	√	√	√			6 & as required
Plant replacements: planting that has failed or is damaged by herbicide application should be replaced during the next growing season;											√		1
Pruning: all planting material to be checked for damage to branches, shoots & bark. All dead, damaged branches/shoots or epicormic growth to be cleanly cut back to sound, undamaged wood. All tree works to be undertaken in accordance with BS 3998: 1989. Prunings & trimmings to be removed from site												√	1 prior to handover
<b>Trees</b>													
Check tree anchors at intervals shown and after high winds & adjust					√								1
Check stakes & ties; replace loose, broken or decayed items to original specification. Adjust, re-fix or replace loose or defective ties, allowing for growth and to prevent chafing. - Where chafing has occurred, reposition or replace ties to prevent further chafing											√		1
Check irrigation tubes/caps				√									1
<b>Amenity Grass</b>													
First cut at 70cm height, thereafter cut to 40mm height, remove arisings				√	2	2	2	2	2	2	√		12
Overseed any gaps in sward, apply spring fertiliser				√									1
<b>Wildflower/grass</b>													
Cut at 150mm height to 50mm height, remove arisings after each cut (year 2: spring & autumn)											√		1
<b>Litter Picking</b>				√	√	√	√	√	√	√	√	√	10



Maintenance for various wild flower/grass updated  
Landscaping to the South-East side updated to suit latest drainage layout

Revision: P02 Date: 06.05.20 Initials: LG

Revision: P01 Date: - Description: For client issue Initials: -

**IronsideFarrar**  
Environmental Consultants

111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name: **Farm Relocation**  
Client: **Balavil**  
Balavil Estate

Title: **Landscape Proposals**  
**Planting Schedule & Maintenance Regime**  
**PPP Condition 2-G and 2-H**

N Point: 1:500 Scale: 1:500 Bar Scale: 0 12.5 25m

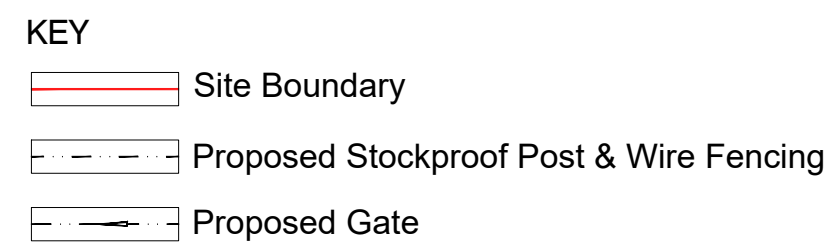
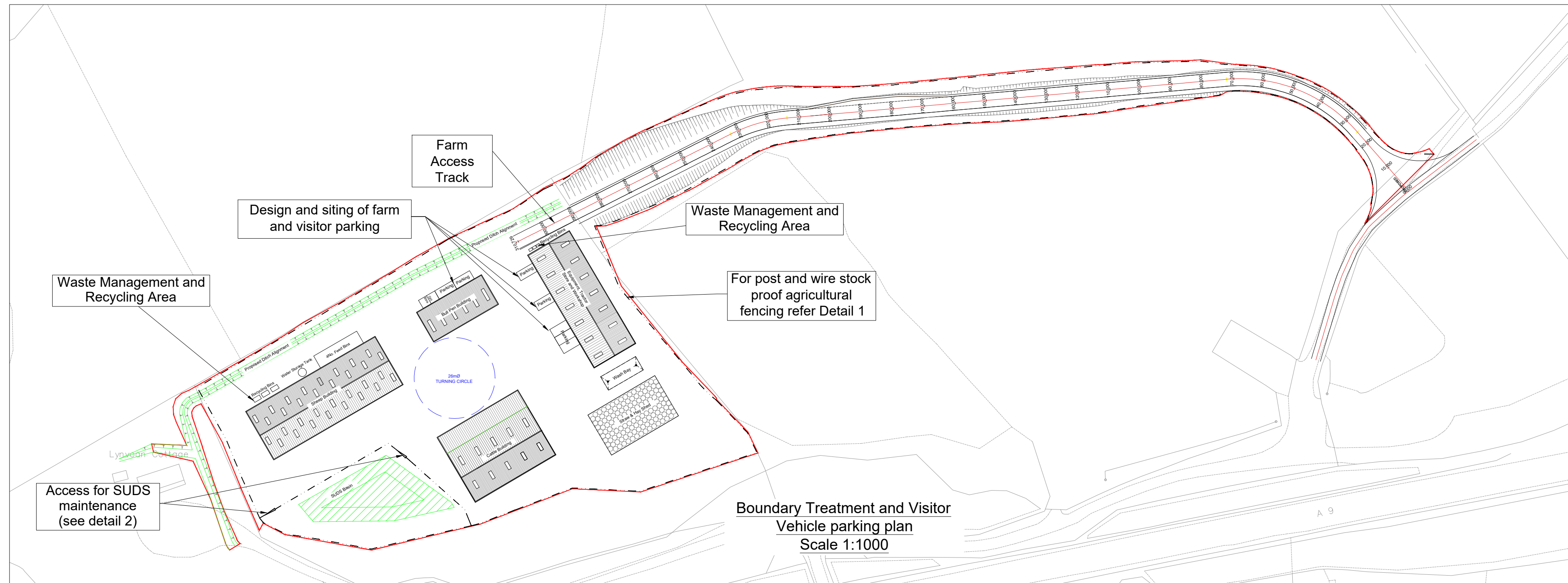
Date: 06.02.20 Paper Size: A1 Quality Assurance: ISO 9001:2015  
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Checked by: HL Copyright Acknowledgement: Ordnance Survey © Crown Copyright 2019  
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Status: **FOR APPROVAL**

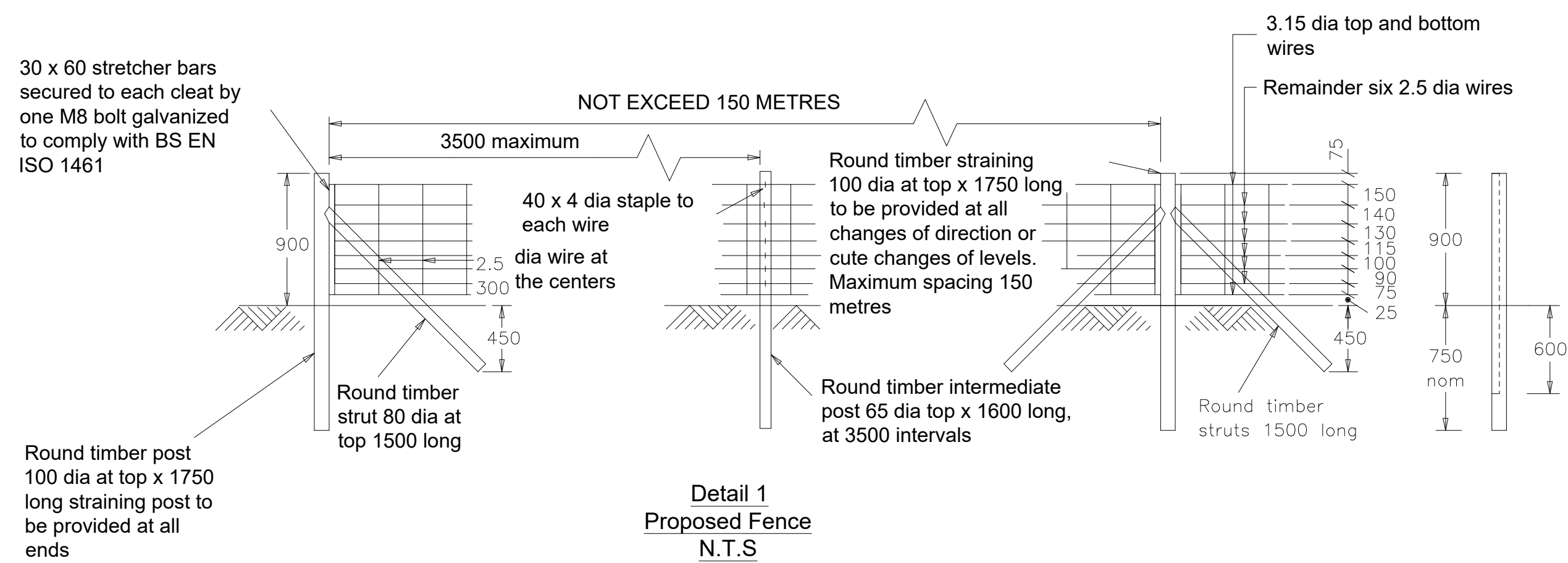
Project No: 50499-602 Drawing No: - Revision: P02

Note: Please do not scale from this drawing

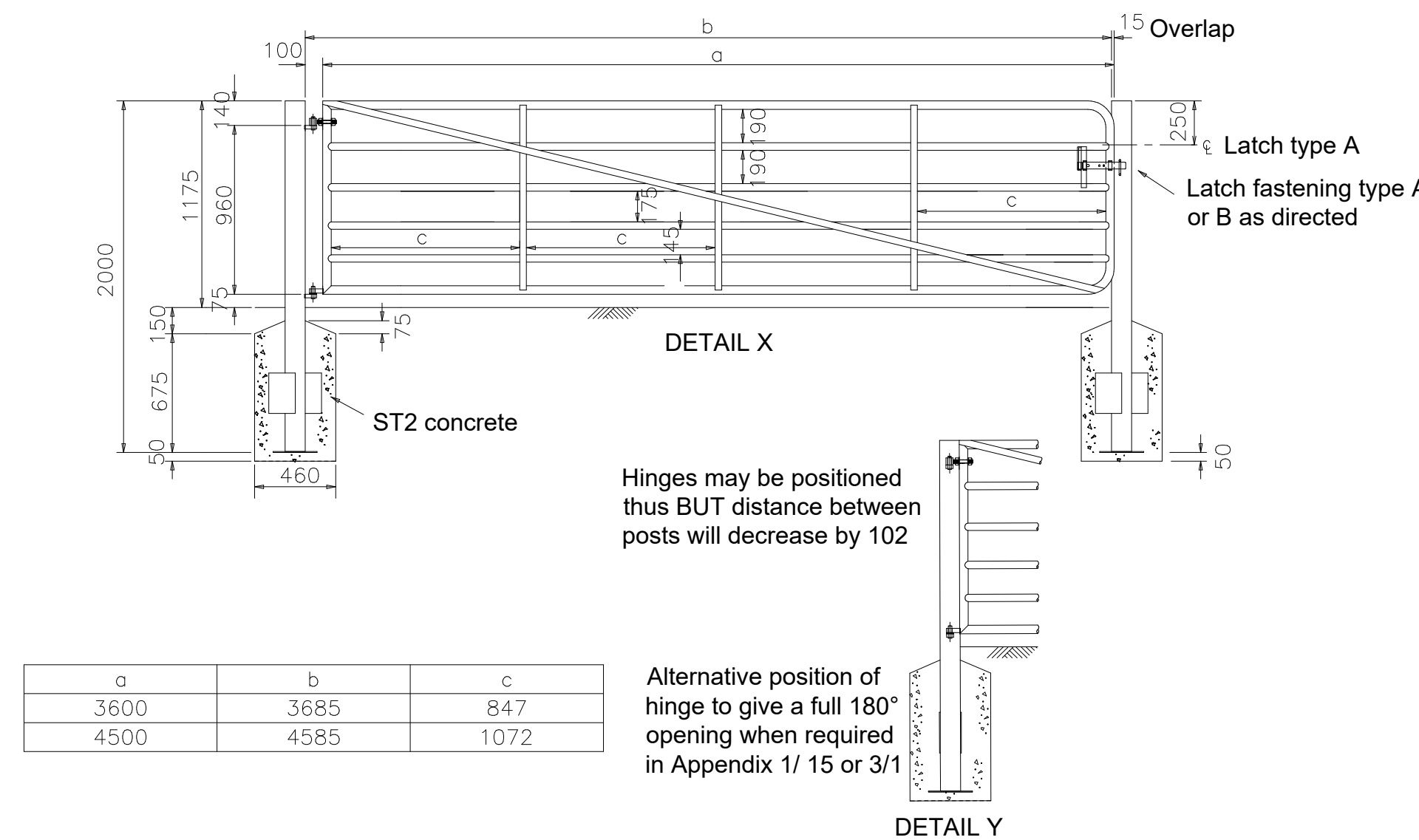




- Notes:**
- For visitors parking bays to be painted bays of 2.5m x 5.0m



- Detail 1 Notes:**
- The following is one of four standard fence that is suggested for highway works at Manual of Contract Document for Highways (MCHW) - Vol 3 - Section 1 - H Series.
  - All dimension are in millimeters.
  - All line wire, stirrup wire and barbed wire shall be zinc coated to comply with BS EN 10244-2.
  - If posts are to be driven then bottom end shall be pointed for 225.



Description of Material	Size	Fixing and Fittings
Hanging post (tubular steel)	114.3 outer dia.x 3.6 thick	Top capping plate 4.8 thick two 230x150x4.8 wing plates stitch welded to post
Shutting post (tubular steel)	88.9 outer dia.x 3.2 thick	Base plate 250x250x4.8 cap and base plates to be continuously flush welded to tube
Other frames	48.3 outer dia.x 2.9 thick	Fillet welded to each gate member crossed by acres
Infilling horizontal rails (All tubular steel)	42.4 outer dia.x 2.6 thick	
Vertical Braces (steel flat)	Three 38x4.8	
Diagonal Braces (steel flat)	Two 38x4.8	

**Detail 2**  
**Proposed Gate**  
**N.T.S**

- Detail 2 Notes:**
- The following is a gate that is suggested for highway works at Manual of Contract Document for Highways (MCHW) - Vol 3 - Section 1 - H Series.
  - All details dimension are in millimeters.
  - For details of latches and fittings refer to Manual of Contract Document for Highways (MCHW) - Vol 3 - section 1 - H series - Drawings H27,H27 & H28.

P02	30.01.20	Drawing Updated to Suit Latest Site Layout	LG
P01	23.01.20	For client issue	LG
Revision	Date	Description	Initials

**IronsideFarrar**  
Environmental Consultants  
111 McDonald Road, EDINBURGH, EH7 4NW  
0131 550 6500 | mail@ironsidefarrar.com  
EDINBURGH | BELLSHILL | MANCHESTER

Project Name  
**Farm Relocation**  
Balavil  
Client  
Balavil Estate

Title  
**Boundary Treatment & Visitor Vehicle Parking**  
PPP Condition 2-J and 2L

N Point  
Scale  
**1:1000**  
Bar Scale  
0 25 50m  
1:1000

Date  
**23.01.20**

Paper Size  
**A1**

Quality Assurance  
ISO 9001:2015  
SCS UKAS Certificate: CB0254539

Drawn By  
**LG**

Checked by  
**HR**

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Status  
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Project No  
**50499-601**

Drawing No  
**0**

Revision  
**P02**